

A5 9. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 1, wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

10. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 2, wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

11. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 3, wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

12. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 4, wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and

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the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

13. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 5, wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

14. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 6, wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

15. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 7, wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

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16. (Amended) A method of manufacturing a radiation image conversion panel according to one of claim 8, wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

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19. (Amended) A radiation image conversion panel obtained by the method of manufacturing a radiation image conversion panel in which a stimuable phosphor-containing coating solution, which contains at least a stimuable phosphor and a binder, is applied to a support by use of an extrusion coater such that the film thickness of a coated film of the stimuable phosphor-containing coating solution is in the range of from 300 to 800  $\mu\text{m}$ .

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[Please add new claims 20 and 21]

--20. A method of manufacturing a radiation image conversion plane according to claim 1, wherein a speed of movement of the support is in the range of from 0.5 to 5m/min.

21. A radiation image conversion panel according to claim 19, wherein a speed of movement of the support is in the range of from 0.5 to 5m/min.

22. A method of manufacturing a radiation image conversion panel according to one of claim 1, wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

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~~$$0.80 \times B + 110 \leq A \leq 1.05 \times B + 130.$$~~

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23. A method of manufacturing a radiation image conversion panel in which a stimuable phosphor-containing coating solution, which contains at least a stimuable phosphor and a binder, is applied to a support by use of an extrusion coater such that the film thickness of a coated film of the stimuable phosphor-containing coating solution is in the range of from 300 to 800  $\mu\text{m}$ , wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

$$0.75 \times B + 100 \leq A \leq 1.10 \times B + 130.$$

24. A method of manufacturing a radiation image conversion panel in which a stimuable phosphor-containing coating solution, which contains at least a stimuable phosphor and a binder, is applied to a support by use of an extrusion coater such that the film thickness of a coated film of the stimuable phosphor-containing coating solution is in the range of from 300 to 800  $\mu\text{m}$ , wherein the stimuable phosphor-containing coating solution is applied such that a gap A ( $\mu\text{m}$ ) between a discharge opening at the tip of the extrusion coater and the support, and a film thickness B ( $\mu\text{m}$ ) of the coated film of the stimuable phosphor-containing coating solution satisfy the following relational expression

$$0.80 \times B + 110 \leq A \leq 1.05 \times B + 130.$$